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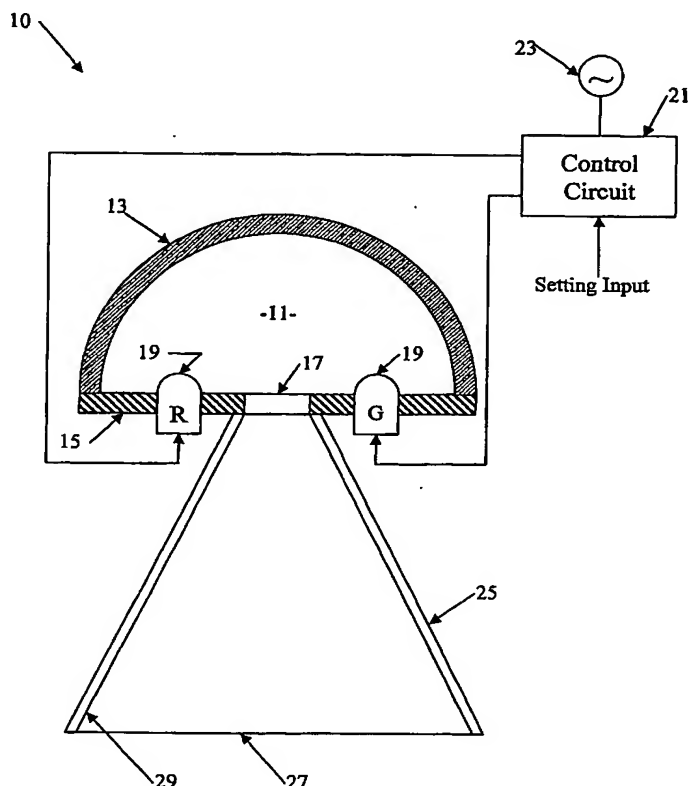
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(54) Title: **PRECISE REPEATABLE SETTING OF COLOR CHARACTERISTICS FOR LIGHTING APPLICATIONS**



(57) Abstract: A desired color of illumination of a subject is achieved by determining settings for color inputs and applying those settings to one or more systems that generate and mix colors of light, so as to provide combined light of the desired character. In the examples of appropriate systems, an optical integrating cavity diffusely reflects light of three or more colors, and combined light emerging from an aperture of the cavity illuminates the subject. System settings for amounts of the different colors of the input lights are easily recorded for reuse or for transfer and use in other systems.



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